



Gp/1614

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PATENT
1752-0151P

IN THE U.S. PATENT AND TRADEMARK OFFICE

Applicant: Akio INOUE et al. Conf.: 8894
Appl. No.: 09/983,067 Group: 1614
Filed: October 23, 2001 Examiner: UNASSIGNED
For: PROCESS FOR PRODUCING PEPTIDES BY USING
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SYSTEM

INFORMATION DISCLOSURE STATEMENT
(SUBMISSION AFTER FILING OF AN APPLICATION
BUT BEFORE FINAL REJECTION OR NOTICE OF ALLOWANCE
OR CONCURRENTLY WITH A RULE 53(d) CPA APPLICATION
OR WITH A RULE 1.114 RCE APPLICATION)

Assistant Commissioner for Patents
Washington, DC 20231

November 12, 2002

Sir:

Pursuant to 37 C.F.R. §§ 1.97 and 1.98, applicant(s) hereby submit(s) an Information Disclosure Statement for consideration by the Examiner.

I. LIST OF PATENTS, PUBLICATIONS OR OTHER INFORMATION

The patents, publications, or other information submitted for consideration by the Office are listed on the PTO-1449(s), attached hereto.

II. COPIES (check at least one box)

- a. ☒ Submitted herewith is a legible copy of (i) each U.S. and foreign patent; (ii) each publication or that portion which caused it to be listed; and (iii) all other information or that portion which caused it to be listed.
- b. ☐ Some or all of the documents listed on the PTO-1449 are not enclosed because they were cited in the International Search Report and copies should already be in the PTO file. If copies are needed, please contact the undersigned.

III. CONCISE EXPLANATION OF THE RELEVANCE
(check at least one box)

a. ☒ **DOCUMENTS IN THE ENGLISH LANGUAGE**

The attached patents, publications, or other information in the English language do not require a statement of relevancy.

b. ☐ **DOCUMENTS NOT IN THE ENGLISH LANGUAGE**

A concise explanation of the relevance of all patents, publications, or other information listed that is not in the English language is as follows:

c. ☐ **ENGLISH LANGUAGE SEARCH REPORT**

An English language version of the search report or action that indicates the degree of relevance found by the foreign office is attached, thereby satisfying the requirement for a concise explanation. See MPEP 609(A)(3).

d. ☐ **OTHER**

The following additional information is provided for the Examiner's consideration.

FEEES

IV. ☒ THIS IDS IS BEING FILED UNDER 37 C.F.R. § 1.97(b):
(check one box)

- a. ☐ within three months of the filing date of a national application (37 C.F.R. § 1.97(b)(1)). No fee or statement is required. (This section is not to be used with RCE's and CPA's).
- b. ☐ within three months of the date of entry of the national stage as set forth in § 1.491 in an international application (37 C.F.R. § 1.97(b)(2)). No fee or statement is required.
- c. ☐ concurrently with the filing of a Continued Prosecution Application under 37 C.F.R. § 1.53(d) or concurrently with the filing of a Request for Continued Examination under § 1.114 (37 C.F.R. § 1.97(b)(4)). No fee or statement is required.
- d. ☒ before the mailing date of a first Action on the merits (37 C.F.R. § 1.97(b)(3)). No fee or statement is required.
In the event that a first Office Action on the merits has been issued, please consider this IDS under 37 C.F.R. § 1.97(c) and see the statement under 37 C.F.R. § 1.97(e) below, or, if no statement has been made, charge our deposit account in the amount of \$180.00 as required by 37 C.F.R. § 1.17(p).

V. ☐ THIS IDS IS BEING FILED UNDER 37 C.F.R. § 1.97(c):
(check one box)

before the mailing date of a Final Office Action under 37 C.F.R. § 1.113 (See 37 C.F.R. § 1.97(c)(1)) or before the mailing date of a Notice of Allowance under 37 C.F.R. § 1.311 (See 37 C.F.R. § 1.97(c)(2)).

- a. ☐ No statement; therefore, a fee in the amount of \$180.00 as required by 37 C.F.R. § 1.17(p).
or
- b. ☐ See the statement below. No fee is required.

VI. STATEMENT UNDER 37 C.F.R. § 1.97(e) (check only one box)

The undersigned hereby states that

- a. ☐ each item of information contained in the IDS was first cited in any communication from a foreign Patent Office in a counterpart foreign application not more than three months prior to the filing of this IDS; or
- b. ☐ no item of information contained in the IDS was cited in a communication from a foreign Patent Office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of IDS was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of the IDS.
- c. ☐ Some of the items of information were cited in a communication from a foreign Patent Office. As to this information, the undersigned states that each item of information contained in the IDS was cited in a communication from a foreign Patent Office in a counterpart foreign application not more than three months prior to the filing of this IDS. As to the remaining information, the undersigned hereby states that no item of this remaining information contained in the IDS was cited in a communication from a foreign Patent Office in a counterpart foreign application and, to the best of my knowledge after making reasonable inquiry, was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this statement.

VII. PAYMENT OF FEES (check one box)

- ☐ A check in the amount of \$180.00 as required by 37 C.F.R. § 1.17(p) is enclosed for the above-identified fee.
- ☐ Please charge Deposit Account No. 02-2448 in the amount required by 37 C.F.R. § 1.17(p) for the above-indicated fee. A triplicate copy of this paper is attached.
- ☒ No fee is required.

If the Examiner has any questions concerning this IDS, he/she is requested to contact the undersigned. If it is determined that this IDS has been filed under the wrong rule, the PTO is requested to consider this IDS under the proper rule and charge the appropriate fee to Deposit Account No. 02-2448.

If necessary, the Commissioner is hereby authorized in this, concurrent, and future replies, to charge payment or credit any overpayment to Deposit Account No. 02-2448 for any additional fees required under 37 C.F.R. § 1.16 or under § 1.17; particularly, extension of time fees.

Respectfully submitted,

BIRCH, STEWART, KOLASCH & BIRCH, LLP

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1752-0151P

Enclosures: ☒ PTO-1449
☒ Documents
☐ Foreign Search Report
☐ Fee
☐ Other:

Form PTO-1449

INFORMATION DISCLOSURE CITATION IN AN APPLICATION

(Use several sheets if necessary)

 ATTY DOCKET NO.
1752-0151P

 APPLICATION NO.
09/983,067

 APPLICANT
Akio INOUE et al.

 FILING DATE
October 23, 2001

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U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION	
					YES	NO

OTHER DOCUMENTS (Include Name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.

	PUTNEY, S.D. et al., "E. coli alas gene coding for alanyl-tRNA synthetase." GenBank Accession No. J01581, (November 9, 1993).
	GANGLOFF, J., "Escherichia coli argS gene for arginyl-tRNA-synthetase." GenBank Accession No. X15320, (February 10, 1999).
	ANSELME, J. et al., "E. coli asparaginyl-tRNA synthetase (asnS) gene, complete cds." GenBank Accession No. M33145, (April 26, 1993).
	ERIANI, G., "E. coli asps gene for aspartyl-tRNA synthetase." GenBank Accession No. X53863, (January 28, 1991).
	ERIANI, G., "E. coli cysS gene for cysteinyl-tRNA synthetase." GenBank Accession No. X56234, (February 8, 1991).
	HOBEN, P. et al., "E. coli glutaminyl-tRNA synthetase (glnS) gene, complete cds." Accession No. J01617, (February 14, 1996).
	BRETON, R., "Escherichia coli K12 valU, gltX and alaW region." GenBank Accession No. X63976, (May 5, 1995).
	WEBSTER T.A. et al., "E. coli glyS gene coding for glycyl-tRNA synthetase alpha-and beta-subunits." GenBank Accession No. J01622, (April 26, 1993).
	FREEDMAN, R., "Escherichia coli histidine-tRNA synthetase (hisS), complete cds." GenBank Accession No. M11843, (February 11, 2002).
	MORI, H., "Escherichia coli genomic DNA." GenBank Accession No. D10483, (May 29, 2002).
	HAERTLEIN, M., "E. coli leuS gene for leucyl-trna synthetase." GenBank Accession No. X06331, (September 12, 1993).
	DESSEN, P., "Escherichia coli lysU gene for lysyl-tRNA synthetase (EC 6.1.1.6)." GenBank Accession No. X16542, (September 9, 1993).
	DARDEL, F. et al., "E. coli metG gene coding for methionyl-tRNA synthetase, complete cds." GenBank Accession No. K02671, (January 3, 2001).

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OTHER DOCUMENTS

(Include Name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.

	MECHULAM, Y. et al., "E. coli thrS, infC, rplT, pheS, pheT and himA genes encoding threonyl-tRNA synthetase, initiation factor IF3, ribosomal protein L20, phenylalanyl-tRNA synthetase and the alpha-subunit of the host integration factor." GenBank Accession No. V00291, (November 30, 1997).
	ERIANI, G. et al., "Escherichia coli prolyl-tRNA synthetase (proS) gene, complete cds." GenBank Accession No. M97858, (April 26, 1993).
	HARTLEIN, M. et al., "E. coli serS gene for seryl-tRNA synthetase." GenBank Accession No. X05017, (September 12, 1993).
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	SEVER, S. et al., "Escherichia coli tryptophanyl-tRNA synthetase (trpS) gene, complete cds." GenBank Accession No. U38647, (March 15, 1996).
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	MECHULAM, Y., "E. coli fmt gene for L-methionyl-tRNA ^{Met} N-formyltransferase." GenBank Accession No. X63666, (February 17, 1997).
	CUMMINGS, H.S., "E. coli infA gene for initiation factor If1." GenBank Accession No. Y00373, (September 12, 1993).
	BLATTNER, F.R. et al., "Escherichia coli K12 MG1655 section 287 of 400 of the complete genome." GenBank Accession No. AE000397, (December 1, 2000).
	SACERDOT, C. et al., "E. coli thrS, infC, rplT, pheS, pheT and himA genes encoding threonyl-tRNA synthetase, initiation factor IF3, ribosomal protein L20, phenylalanyl-tRNA synthetase and the alpha-subunit of the host integration factor." GenBank Accession No. V00291, (November 30, 1997).

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ZENGEL, J.M., "E. coli fus gene encoding elongation factor G." GenBank Accession No. X00415, (August 9, 1994).

AN, G. et al., "E. coli tufB gene for translation elongation factor EF-Tu." GenBank Accession No. X57091, (May 5, 1993).

AN, G. et al., "E. coli genes tsf and rpsB, encoding elongation factor Ts and ribosomal protein S2." GenBank Accession No. V00343, (January 18, 2002).

NAKAYASHIKI, T., "E. coli prfA gene encoding peptide chain release factor 1 (RF1)." GenBank Accession No. D28567, (February 7, 1999).

GRENTZMANN, G. et al., "E. coli prfC gene for peptide termination factor." GenBank Accession No. Z26313, (September 15, 1994).

ICHIKAWA, S. et al., "E. coli ribosome releasing factor gene, complete cds." GenBank Accession No. J05113, (April 26, 1993).

GRACHEV, M.A. et al., "Bacteriophage T7 RNA polymerase gene, complete cds." GenBank Accession No. M38308, (April 28, 1993).

HAMA, H., "E. coli NDK gene for nucleoside diphosphate kinase." GenBank Accession No. X57555, (January 20, 1997).

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